

WE CLAIM:

1. A head stack assembly for a disk drive, the head stack assembly comprising:
 - an actuator body including:
 - a main body section defining a horizontal plane orthogonal to an axis of rotation;
 - an actuator arm extending from the main body section; and
 - a flex cable guiding support extending from the main body section adjacent the actuator arm orthogonal to the horizontal plane; and
 - a flex cable including a substantially flat main cable body disposed in mechanical communication with the flex cable guiding support in planes orthogonal to the horizontal plane parallel to the axis of rotation.

2. The head stack assembly of Claim 1 wherein the actuator body is formed of a stamped material.
3. The head stack assembly of Claim 1 wherein the actuator body is formed of an integrated piece of material.
4. The head stack assembly of Claim 1 wherein the flex cable guiding support is integrally formed with the main body section.
5. The head stack assembly of Claim 1 wherein the actuator body is formed of a sheet metal material.
6. The head stack assembly of Claim 1 wherein the flex cable guiding support is bent from a position within the horizontal plane.
7. The head stack assembly of Claim 1 wherein the flex cable guiding support includes first and second extensions extending from the main body section.
8. The head stack assembly of Claim 7 wherein the flex cable includes opposing sides, the first and second extensions are respectively disposed in mechanical communication with respective ones of the opposing sides of the flex cable.

9. The head stack assembly of Claim 1 wherein the actuator arm extends from the main body section along the horizontal plane.

10. An actuator for use with a flex cable in a disk drive, the flex cable including a substantially flat main cable body, the actuator comprising:

an actuator body including:

a main body section defining a horizontal plane orthogonal to an axis of rotation;

an actuator arm extending from the main body section; and

a flex cable guiding support extending from the main body section adjacent the actuator arm orthogonal to the horizontal plane for supporting the main cable body in planes orthogonal to the horizontal plane parallel to the axis of rotation.

11. A disk drive comprising:
- a disk drive base;
 - an actuator body rotatably coupled to the disk drive base, the actuator body including:
 - a main body section defining a horizontal plane orthogonal to an axis of rotation;
 - an actuator arm extending from the main body section; and
 - a flex cable guiding support extending from the main body section adjacent the actuator arm orthogonal to the horizontal plane; and
 - a flex cable including a substantially flat main cable body disposed in mechanical communication with the flex cable guiding support in planes orthogonal to the horizontal plane parallel to the axis of rotation.

12. A method of manufacturing an actuator for use with a flex cable in a disk drive, the flex cable including a substantially flat main cable body, the method comprising:

- a) providing an actuator body, the actuator body including:
 - a main body section defining a horizontal plane orthogonal to an axis of rotation;
 - an actuator arm extending from the main body section; and
 - a flex cable guiding support portion extending from the main body section adjacent the actuator arm; and

- b) bending the flex cable guiding support portion to be orthogonal to the horizontal plane for supporting the main cable body in a planes orthogonal to the horizontal plane parallel to the axis of rotation to thereby form a flex cable guiding support.

13. The method of Claim 12 wherein the actuator body is formed of a single integrated piece of material.
14. The method of Claim 12 wherein the main body section is integrally formed with the cable guiding support.
15. The method of Claim 12 wherein step a) includes stamping the actuator body from a sheet material.